

Richmond upon Thames College

London



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MAX FRANK supplied Shearail® to increase construction speed & combat 'punching shear' on this redevelopment project.

The redevelopment of the existing Richmond Education and Enterprise Campus encompasses 20,000sqm of accommodation for up to 3,500 students. The Twickenham-based site features a new, state-of-the-art further education college, a new free school, a special education needs school and a Technology Hub.

The new site and its facilities will help to establish RuTC as a college for integrated and innovative education, with an outstanding reputation for services to learners and employers. Alongside academic programmes and collaboration with local businesses, campus specialisms will include creative arts and media, hospitality and leisure, digital technology, engineering, sciences, health, construction and sport.

The campus will establish the college as a destination for the public, local community and employers, while creating a major gateway to employment and higher skills. Alongside learners and businesses, the wider community will benefit from this development and will be able to take advantage of many of the new facilities.

MAX FRANK Shearail® punching shear reinforcement is an established & certified prefabricated system for flat, piled and post-tensioned slabs. The weight of a concrete slab, supported directly onto a column, can result in concentrated localised shear stresses, causing the slab to 'punch' through the column below. Shearail® increases the shear resistance of a slab and safely transfers the shear load from the slab to the column.

Shearail®:

Type of building:

Clients and Developers:

Engineers/ Specialist Planners:
Atkins Global

Building contractor:
R C Frame Contractor: Rochford
Construction Ltd.

Completion:
2019

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- is the **ONLY** punching shear system on the market approved by **BBA & CARES**
- significantly improves **shear resistance**
- provides **positive end-anchorage** with almost zero risk of slippage
- saves on labour costs thanks to **fast installation**
- enables **straight-forward** design and detailing
- is **fully compliant** with EC2 & BS 8110

As a pre-fabricated system, Shearail® is designed to increase construction speed, improve build quality and reduce dependency on skilled labour – significantly reducing on-site costs when compared to traditional loose links. The product provides Engineers and Contractors with the assurance that the material is from a traceable source and has been independently tested and verified for use in concrete floors in accordance with BS EN 1992-1-1 (EC2) and BS 8110 standards.

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Products used:



Punching shear reinforcement
Shearail®



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