

Case Study

Cheltenham Racecourse

Arts & Leisure

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Setting a Quality Standard

Novastruct systems were specified for the redevelopment of Cheltenham Racecourse, The Jockey Club's largest-ever single investment, to "set a quality standard".

The project features Novastruct's FSX 100 zone-drained fully-capped and mullion-drained FSX 100 SSG (Structurally Silicone Glazed) curtain walling system and DSX 190 TB heavy duty commercial entrance doors.

They were installed for main contractor Kier Construction by specialist subcontractor and Novastruct-approved installer Aluminium Sashes on all levels of the 7,500m² state-of-the-art multi-level, amphitheatre-like Princess Royal Grandstand.

Designed by Roberts Limbrick architects, the 6,500-capacity grandstand was constructed of steel frame with reconstituted stone plinth and composite cladding above, interlaced with the two types of Novastruct curtain walling.



“The Jockey Club’s largest-ever single investment”



It replaces the previous “A&R” block which was built in the 1920s, the Royal Box, which was built in 1952, the tote terrace and 55 other boxes which were built in the 1920s and 1930s.

Building: Cheltenham Racecourse
Location: Cheltenham
Architect: Roberts Limbrick
Main Contractor: Kier Construction
Installer: Aluminium Sashes

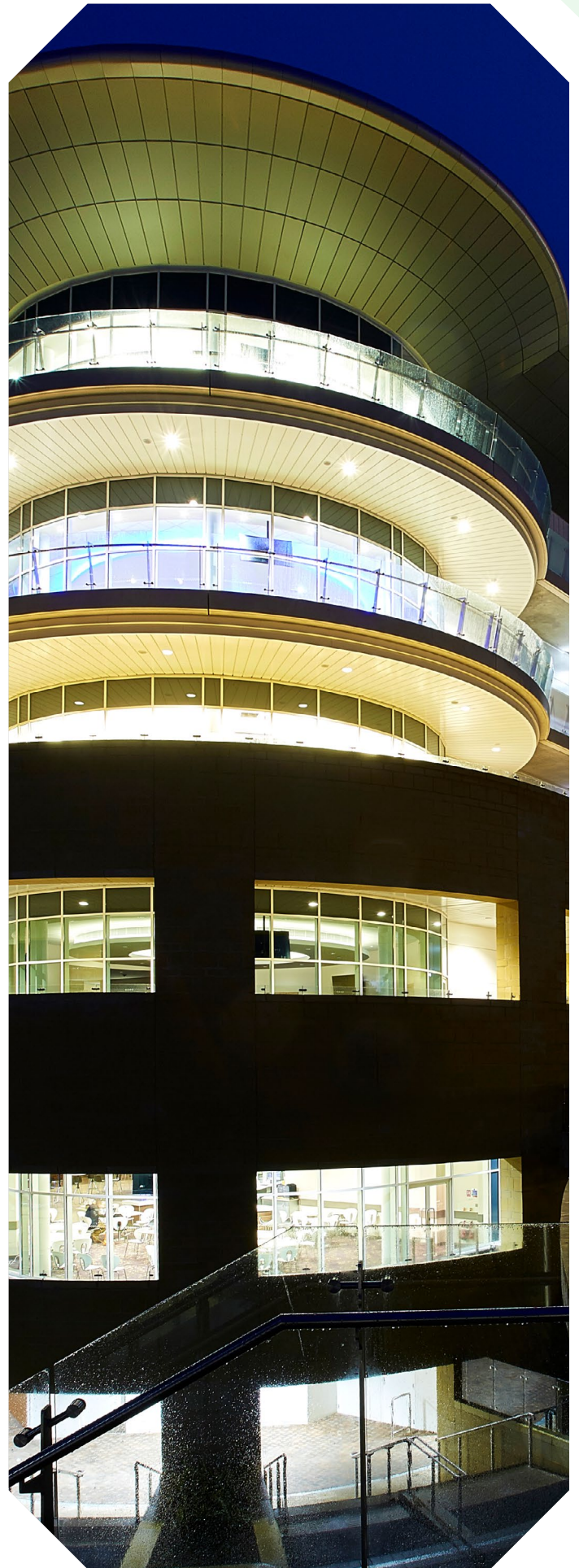
A High Level of Collaboration

Roberts Limbrick senior associate James Vincent said: "The project required a high level of collaboration with all stakeholders and the D&B contractor. The site is in greenbelt so special circumstances had to be justified.

"We specified the Novastruct products to set a quality standard and they have been used throughout all levels of the new grandstand.

"They play a very important role in the project, lightening the architecture and providing superior views of the horse racing whilst having solar protective features."

He added: "The glazed elements had a positive effect on the building design. The abutments with composite cladding and reconstituted stone were well considered which was fundamental to achieving the air tightness requirements."



Challenging Logistics

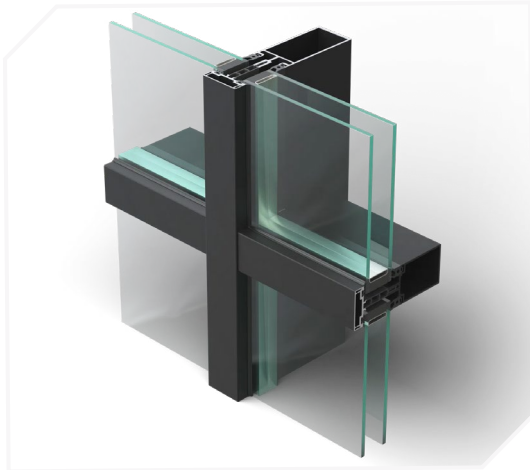
Aluminium Sashes' operations director Paul Seabright said: "The logistics of installation were challenging in this case as the terraced, multi-level grandstand had a 24m cantilevered overhang roof."

The redevelopment also included a re-defined and re-routed horse walk from the parade ring to the racecourse, and major improvements to ground-level circulation to and from and around the parade ring and new grandstand and to and from the tented village.

It also featured a major new elevated deck circulation at level 2, an integrated refurbishment of the See You Then bar and weighing room building and a review and reorganisation of pedestrian movement around the parade ring on multiple levels to and from the paddock and the racecourse and eastwards across the horse walk to the Guinness Village area.



Product Specification Highlights



FSX 100 50mm Curtain Wall System



WSX 720 Reflex Open Out Casement Window



DSX 190 TB Door

Project Photos: Martin Cleveland Photography

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