

BORDER *Energy* GLAZING SYSTEMS

LUDLOW RACE COURSE, LUDLOW, SHROPSHIRE

Border Energy were tasked with the installation of aluminium windows and commercial doors as part of the high performance specification of a new Grandstand to Ludlow Racecourse, a leading horse racing venue in Shropshire.

The new Grandstand was designed to reflect existing structures so a classic style was the preferred option from Border Energy's extensive range of systems. Slim line profiles were used to maximise spectator viewing potential, aluminium sliding doors were chosen for easy access to the 1st floor viewing balcony and an impressive entrance lobby created by using twin automatic door sets. A brilliant white finish was selected, again in keeping with the existing neighbouring Stands, from a comprehensive range of standard and special colours. The specification of soft coat glass, argon gas filled sealed units ensured full compliance with current Building Regulations on U values.

We had worked with the Main Contractor on previous projects and this put us in a strong position for this contract as they are familiar with the valuable technical support that we offer together with our flexible, accommodating attitude to the inevitable unforeseen build/site hitches that tend to occur as a matter of course on most build projects, bearing in mind that all work had to be carried out to an extremely tight timetable between race meetings. Our input at the design stage, spending time thrashing out the details with the Architect and Main Contractors along with our competitive tendering helped us secure this prestigious and challenging contract.



SHOP FRONTS AT MAYLORD ORCHARDS, HEREFORD

This project at the heart of Hereford's main shopping centre called for clean and modern shopfronts providing the highest levels of security.

Working closely with the owner's Main Contractor, Border Energy designed and installed 'frameless' glass systems using the minimum amount of aluminium possible.

The 10.8mm single laminated glass used in the display windows, gave the required strength and with glass to glass joints, the maximum clear viewing area.

The internal shop entrance doors were also of the frameless type using 10mm single toughened safety glass, concealed overhead closers and stainless steel fittings resulting in a clean modern look, exactly as the client had visualised. The external shop entrance door set was from our commercial door range.



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BRYNRODYN CARAVAN PARK, BORTH, CEREDIGION

Brynrodyn Caravan Park's continued growth made it necessary for them to place instructions for the design and build of a modern, exciting, recreational area, café and lounge for its many guests and visitors staying in the complex.

For this new build project Border Energy was appointed to design, supply, install aluminium windows, doors. The systems were chosen to maximise light penetration and improve the buildings thermal performance.

With strength, thermal performance and longevity all being prerequisites, polyester powder coated aluminium was an obvious choice for use on this project. Border Energy's product range satisfies all the criteria to provide a highly durable, low maintenance solution that also meets the performance requirements of Document 'L'. The system's natural strength and elegant styling, as well as easy maintenance, makes it an ideal for use in Leisure projects.



HEATHROW GYMNASIUM CLUB, HEATHROW

Heathrow Gymnastics Club is the UK's only British Olympic Association accredited gymnastics training facility, and home to 13 times British Women's Team Champions.

Despite regular maintenance, the Club's old timber windows and doors had rotted to such an extent that the environment for the athletes inside the building had become unsuitable and with the London 2012 Olympics on the horizon, Border Energy were approached to find a cost effective way of providing a solution through the use of their high quality Aluminium glazing systems.

A run of ribbon windows from the Smart System aluminium range is providing a premier solution at Heathrow Gymnastics Club. This run of windows in a stunning green polyester powder coated finish have recently replaced double glazed units in timber frames at the Club's Heathrow based training centre.

The windows, incorporating side hung casements to allow the ventilation option that the original fenestration failed to provide, now means that the competitors are able to train in a controlled environment. In this project we recommended the use of Low E toughened anti-sun glass to reflect excess summer glare and together with the thermally broken system, this provides an effective way of reducing heat loss, condensation and achieving the necessary U-value.

Also in the brief was the instruction to design a thermally efficient, heavy duty door set which would withstand high volumes of traffic. We used robust aluminium sections incorporating a thermal break



to produce a door set which complies with all British and European standards and Document L for thermal transmittance.

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