



THE NATIONAL MARITIME MUSEUM

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THE PROJECT

The buildings at the National Maritime Museum in Greenwich have a distinguished pedigree; designed by architects including Inigo Jones and Sir Christopher Wren, the site is one of the architectural treasures of London and is a world heritage site. So when a new £5-million wing was to be added to the complex, it was vitally important that every aspect of the design work was in visual harmony with the existing site.

THE BRIEF

ACO Building Drainage was asked by project architects, Churchman Landscape Architects, to provide a high performance, shallow water drainage system for The Sammy Ofer Wing. The availability of only three downpipe outlets for use as discharge points for the channel design was a key challenge. With a rainfall intensity of 200mm/hr set out by the consulting engineer and a large surface area to drain, ACO needed to design a system with high capacity for drainage but with minimal surface visibility, to ensure that the architect's designs were also met.

THE SOLUTION

ACO designed a large channel solution which could be buried below the paving and fed by a smaller, 58mm wide discrete channel which is visible at surface level. The buried channels were manufactured from galvanised mild steel to reduce cost but the grated finish was manufactured in grade 304 stainless steel with flexible couplings separating the two dissimilar metals. Access points were created for the channel and these were designed as recessed covers and finished with masonry to ensure the drainage was discreet.

"ACO Building Drainage worked closely with us to achieve a custom-built solution," said Nick Adkins of Szerelmey, the installer responsible for the stonework and paving at the new wing. *"This was a challenging project but the design and execution offered up by ACO enabled us to satisfy the architect's brief while completing the work on time and on budget."*



ACO. The future of drainage

DRAINAGE FOR SPORT & LEISURE APPLICATIONS

Whether you require drainage for pool and shower areas, high capacity drainage for sports grounds or rainwater outlets for leisure centre buildings, ACO Building Drainage can design and manufacture high performance drainage systems to suit your needs.

Our products offer market-leading performance with regard to corrosion resistance, durability and, when appropriate, hygiene. Our in-house design team also provides expert technical support at every stage of your project.



We provide drainage for a wide range of applications within the sports and leisure sector including: swimming pools; sports grounds; major sports stadia; leisure centres; visitor centres, and parks.

IN WHICH SECTORS DO WE OPERATE?

ACO Building Drainage specialises in the development and manufacture of high performance drainage systems for a wide range of sectors



Food Processing



Commercial kitchens



Hotels



Infrastructure



Commercial & Industrial



Healthcare



Education



Sport & Leisure



Residential

CONTACT US

To get advice and technical guidance for your next project, please contact our in-house technical design team. You can also obtain a copy of our full product overview guide by emailing us.



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ACO Building Drainage
Product Overview

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