



## Excellence in a Retail Setting - Asda, Thurmaston

As well as enhancing the frontage of the building, the chosen design provides a versatile retail solution, including sheltered access to the main entrance, dedicated storage areas for trolleys and optional cycle racks. This also means extra convenience for the store's customers.

# structure



Spanning approximately 20 metres, the design is constructed around a typical specification comprising tubular steel supports with 10mm toughened glass secured by glazing rails manufactured from RHS steel.

The roof structure is formed from RHS sections and is fitted with multi-wall polycarbonate. Various internal layouts are possible, providing defined areas for storing trolleys and cycles. Alternative canopy designs have included bus passenger seating areas for the convenience of customers. The entrance canopy can also be designed to incorporate sliding doors.



Project: Thurmaston  
Client: Asda



Project: Army Foundation College  
Client: MoD

## Over 240 Metres of Walkway - Army Foundation College

This project involved the design, manufacture and installation of five separate walkway systems to provide sheltered access to principal buildings throughout the college campus. Abacus installed over 240 metres of walkway.

# function

The covered walkway was an integral part of the overall architectural design of the MoD's new Army Foundation College. The design comprised tubular steel supports, with 10mm toughened glass secured by low, mid and top glazing rails manufactured from RHS steel.

Two roof designs were used: a pitched style and, for high security areas, a reinforced design utilising troughed steel sheets able to withstand bomb blasts. Most of the walkway was designed to a height of 2.4 metres and incorporated bulkhead lighting.

"The principal challenge was ensuring the design of the walkway accommodated the various changes in direction and elevation. Given the need to provide sheltered access around the perimeters of and in between buildings, the walkway had to accommodate various obstacles such as steps and sloping elevations. By taking a modular approach to the design of the walkway it was possible to standardise the majority of the walkway systems even when the elevation changed, thus minimising costs. Whilst physical obstacles such as steps were solved through developing bespoke sections of walkway."

Alan Jenvey, Engineering Manager, Abacus





Project: Hillsborough Interchange  
Client: South Yorkshire Passenger Transport Executive

## Right On Track - Hillsborough Interchange

This project is an excellent example of how Abacus' individual approach to each project and careful consideration of styling and aesthetics ensures that a final design complements the environment.

# bespoke



SYPTE (South Yorkshire Passenger Transport Executive) asked Abacus to design, manufacture and install three SA style waiting shelters, a combined cycle/waiting shelter, and two separate walkway systems to provide sheltered access throughout the site.



The 38m and 23m long walkways were specifically designed to suit the layout of the new bus and train interchange and all shelters and walkways were fitted with lights, provision for CCTV and timetable information.





Project: Chelmsley Wood  
Client: Birmingham & Solihull Solutions

## Stylish Canopy Design - Chelmsley Wood

With close liaison with the appointed design company, Abacus designed and manufactured a bespoke canopy to meet the unique requirement of the client.

The curved canopy design makes an individual statement and adds immediate cohesion to the contemporary design of the Medical Centre.

# robust

The 3.3m high canopy incorporates four main support posts of 194 diameter CHS steel, a RHS steel roof frame with a profiled steel channel running the full length of the canopy, spanning 11 metres. The roof is glazed with 13mm laminated shaped glass.

