



caunton

ENGINEERING



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Steelwork for

Mixed Use



Arndale Centre, Cinema &
Retail, Eastbourne

www.caunton.co.uk

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Caunton Engineering
Limited

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Caunton Engineering is one of the UK's leading steelwork contractors, fabricating in excess of 40,000 tonnes per annum with a turnover in the region of £100m. Supported with over 50 years' experience we specialise in the design, fabrication and erection of structural and secondary steelwork, operating across all sectors of the construction industry.

Caunton Engineering's reputation is for engineering excellence in the Design and Build sector and working with Consulting Engineers on major developments.

We pride ourselves on our ability to remain agile and, as a result, offer a personalised service to our clients. The company is a Gold Status holder within the Steel Construction Sustainability Charter and committed to delivering Net Zero by 2050.

Arndale Centre, Cinema & Retail, Eastbourne

There is a nine-screen complex and Caunton's Secondary Steelwork Division has supplied the ancillary steelwork comprising stair towers, stairs, ladders, hand rail, and access hatch ladders



Main Contractor: Kiert
Steelwork designer : Caunton Engineering
Engineer: Clark Bond
Architect: TP Bennet LLP
Tonnage: 2,000 tonnes

Caunton Engineering were awarded the contract for over 2000te of structural steelwork for a new extension to the Arndale Centre in Eastbourne. The main contractor Kier, had made use of Caunton's Value Engineering service to re-engineer the scheme, which helped to make considerable savings on costs, site durations, and improved build-ability.

The Arndale Centre was already a major retailer for the town, and the 170,000 sq. ft. scheme, that included the demolition of some buildings, brought an additional twenty two new retail units, approximately three hundred extra car parking spaces, seven restaurants and a nine-screen cinema to Eastbourne.

Caunton supplied the steel framing for the retail units, as well as the new car park. The car park frame has been re-engineered to help reduce the loads imparted into the existing car park structure. A lightweight concrete deck has been specified, supported on a durable metal deck consisting of a Colorcoat finish. This has helped to reduce the reinforcement work to the existing concrete structure and has helped to speed up site erection times.

The nine-screen cinema complex, also steel framed, is positioned over the Retail Units.

In addition, Caunton's Secondary Steelwork Division has supplied the ancillary steelwork comprising stair towers, stairs, ladders, hand rail, and access hatch ladders. It again proves that Caunton Engineering can therefore provide a fully comprehensive service in steelwork, and are pleased to be contributing to such an important development for Eastbourne.



Friars Walk, Newport - Queensberry Real Estate

offering more than 36,230 square metres of retail and leisure space including a department store, multiplex, shops, restaurants, car park and bus station.

Cauntan supplied and erected over 6000 tonnes of steelwork for the Friars Walk shopping and leisure scheme in Newport South Wales. This is a record tonnage for any Cauntan contract. This major development, by Queensberry Real Estate, will revitalise the Newport city centre offering more than 36,230 square metres of retail and leisure space including a department store, multiplex, shops, restaurants, car park and bus station.

Friars Walk was opened by the Leader of Newport City Council, Councillor Bob Bright, accompanied by the First Minister of Wales. Cauntan wishes the venture well. The contract was completed on budget and on time for major contractor Bowmer and Kirkland.

Main Contractor: Bowmer & Kirkland
Engineer: Waterman Structures
Architect: Leslie Jones Architects
Tonnage: 5,800 tonnes



Lakeside Centre - Rushden Lakes

Located on the busy A45 and it has been estimated that 600,000 people live within a 30-minute drive.



Client : Crown Estate
Main Contractor: Winvic Construction
Engineer: BE Design
Architect: HPW Architecture
Tonnage: 2,000

Cauntan Engineering was contracted for a design and build package for the terrace, boardwalk and restaurant steelwork, known as Rushden Lakes, the scheme is centred around a series of man-made and natural lakes in the Nene Valley. Located on the busy A45 and it has been estimated that 600,000 people live within a 30-minute drive.

The retail outlets are all accommodated within three large steel-framed structures,

known as Terrace A, B and C. The latter two buildings house the project's three anchor tenants, House of Fraser (HoF) in C and Marks & Spencer, and Primark in B.

Terrace C is the longest of the retail buildings at 196m with the two-storey HoF store accounting for approximately one-third of the structure. This block is a portal-framed building with steel columns –

The independent structures were erected after the main steelwork and cladding was completed. Stubs attached to columns and protruding through the cladding accept the canopy structures, which are also supported by a series of columns.

The columns are predominantly 9m-high Circular Hollow Sections (CHS) where the buildings are two-storey high, and decreasing to 7m-high sections for the single storey elements.



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Chelmsford Bond Street

This is located in Bond Street the heart of the City , the county town of Essex, and is positioned to link directly into the existing prime retailing pitch on the High Street.



Client : Aquila
Main Contractor: Bowmer & Kirkland
Engineer: Caunton Engineering Ltd
Architect: WCEC Architects
Tonnage: 1,800 tonnes

Caunton Engineering have supplied and erected the Steelwork for a new shopping centre in Chelmsford, number One Bond Street. A new 300,000 sq. ft. retail and leisure development, anchored by a 120,000 sq. ft. John Lewis Department Store. The client is Aquila and the main contractor is Bowmer and Kirkland. Bond Street is located at the heart of this city, the county town of Essex, and is positioned to link directly into the existing prime retailing pitch on the High Street. Caunton have been pleased to supply the steelwork for other major John Lewis Partnership stores –notably both at Horsham and Basingstoke.

This two and three storey 1800 tonne-plus Chelmsford project was the subject of an entry for the 2015 Tekla awards. The project was to win the Engineering (Analysis and Design) award. The judges of the awards observed that-this particular project was chosen because of the complexity in design, which was accurately reflected in the model. The unusual roof sloped in different directions, which added a convoluted dimension to the project. Despite this, the workflow in the model detail was consistent and precise aiding good communication all round and a level of trust amongst all parties involved.



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