



# caunton

ENGINEERING



Steelwork for

## Mixed - Use Developments



Arndale Centre, Cinema &  
Retail, Eastbourne

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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 Mixed-Use Development 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 is committed to delivering Net Zero by 2050.

## Arndale Centre Extension, Cinema & Retail - Eastbourne



**Main Contractor:** Kier  
**Engineer:** Clarke Bond  
**Architect:** TP Bennet LLP  
**Tonnage:** 2,000 tonnes

Caunton were awarded the contract for 2,000 tonnes 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 buildability.

The Arndale Centre was already a major retailer for the town and the new 170,000sq.ft scheme, that included the demolition of some buildings, saw an additional 22 retail units, approximately 300 extra car parking spaces, 7 restaurants and a 9 screen cinema to Eastbourne.

Caunton supplied the steel framing for the retail units, as well as the car park. The car park frame was 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 colour coat finish. This helped to reduce the reinforcement work to the existing concrete structure and helped to speed up site erection times. The 9 screen cinema complex, also steel framed is positioned over the retail units.

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





## Lakeside Centre - Rushden Lakes

Caunton Engineering was contracted for a design and build package for the terrace, broadwalk and restaurant steelwork at Rushden Lakes. The scheme was centred around a series of man-made and natural lakes in the Nene Valley.

The retail outlets are all accommodated within three large steel framed structures, known as Terrace A, B and C. Terrace C is the longest of the retail buildings at 196 metres, with a 2 storey retail outlet 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. The columns used are predominately 9 metres high, Circular Hollow Sections (CHS) where the buildings are 2 storeys high, decreasing to 7 metres high at the single storey sections.



**Client:** Crown Estate

**Main Contractor:** Winvic Construction

**Engineer:** BE Design

**Architect:** HPW Architecture

**Tonnage:** 2,000 tonnes

## Friars Walk - Newport, South Wales



**Main Contractor:** Bowmer & Kirkland

**Engineer:** Waterman Structures

**Architect:** Leslie Jones Architects

**Tonnage:** 6,000 tonnes

Caunton supplied and erected 6,000 tonnes of steelwork for the Friars Walk shopping and leisure scheme in Newport, South Wales. This major development, by Queensberry Real Estate, revitalised Newport city centre, offering more than 36,230m<sup>2</sup> of retail and leisure space, including a departments store, multiplex, shops, restaurants, car park and bus stations.

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

## Marriott Close Retail & Leisure Development - Witney

Caunton supplied the steelwork for a new retail and leisure development in Witney, Oxfordshire. The site was developed by Simons development and is entitled to Marriot's Close.

Simon's Development signed up Debenhams as one of the major occupiers of the project. The news then followed the earlier signing of restaurant chain Frankie and Benny's and Starbucks to the £40 million shopping, cinema and residential scheme.



**Main Contractor:** Simons Construction

**Engineer:** BWB Partnership

**Architect:** WCEC Architects

**Tonnage:** 1,100 tonnes



# Chelmsford Bond Street



**Client:** Aquila

**Main Contractor:** Bowmer & Kirkland

**Engineer:** Cauntion Engineering Ltd

**Architect:** WCEC Architects

**Tonnage:** 1,800 tonnes

Cauntion Engineering supplied and erected the steelwork for a new shopping centre in Chelmsford, number One Bond Street. A new 300,000sq.ft retail and leisure development, anchored by a 120,000sq.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 the city in Essex and is positioned to link directly into the existing prime retailing pitch on the high street. Cauntion have been pleased to supply the steelwork for other major John Lewis Partnership stores - notably both at Horsham and Basingstoke.

This 2 and 3 storey 1,8000 tonne Chelmsford projects was the subject of an entry for the 2015 Tekla awards. The project went onto 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 this 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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