



caunton
ENGINEERING



Steelwork for

Retail



Chelmsford Bond Street

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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 Retail 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.

The Hub Victoria - London



Client: GAW Capital
Main Contractor: McLaren Construction
Engineer: Peter Dann Consulting Engineers
Architect: Morrow + Lorraine
Tonnage: 1,400 tonnes

Caunton Engineering supplied and erected the steelwork for the vertical extension to two office blocks in London's Victoria. The two buildings, that span over some of London's busiest railway lines, are both being enlarged with new steel-framed floors.

All of the steelwork was lifted into place by the site's three tower cranes. It was erected in a grid pattern that matched the existing columns below and consists of primary and secondary cellular beams, used for service integration supporting a concrete slab with metal decking to create a composite flooring solution.

The majority of the steelwork package was a vertical extension, with connections being made to the existing roof through the concrete slab. Off-loading and accessing the new frame was also extremely challenging given that the majority of the existing services were still in place and live.

Erection of the rooftop steelwork had not been straightforward as the existing plant, such as chillers were in use and needed to be kept operational throughout the project. The new steel had to be erected around the existing plant and once the new 3 storey element was completed, the plant was relocated to new rooftop positions, freeing up those areas for the new construction to begin.

Further steelwork was erected at ground floor level to create 5 retail units. The original buildings had a 5 metre deep overhand starting at level 1, sheltering some of the pavement along the main road. This overhand was infilled with new steelwork forming shopfronts that are flush with the building above, enhancing the public realm along Buckingham Palace Road.

Friars Walk - Newport

Caunton supplied and erected 6,000 tonnes of steelwork for the Friars Walk shopping centre and leisure scheme in Newport, South Wales. At the time this was a record tonnage for any Caunton contract. This major development, by Queensbury Real Estate revitalised the Newport city centre which offered more than 36,230m² 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. 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: 6,000 tonnes

Lakeside Centre - Rushden Lakes

Caunton 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 3 large steel framed structures known as Terrace A, B and C. The latter two buildings house the projects 3 anchor tenants, House of Fraser in C and Marks & Spencer and Primark in B.

Terrace C is the longest of the retail buildings at 196 metres with the 2 storey House of Fraser accounting for approximately a 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 the columns and protruding through the cladding, except the canopy structures, which are also supported by a series of columns. The columns are predominantly 9 metres high circular hollow sections (CHS) where the buildings are 2 storey high and decreasing to 7 metres high sections for the single storey elements.



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

Chelmsford Bond Street



Caunton 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 this city, the county town of Essex and is positioned to link directly into the existing prime retailing position on the High Street.

This 2 and 3 storey 1,800 tonnes 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.

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

John Lewis / Waitrose - Basingstoke

Caunton designed and supplied the structural steelwork for a new John Lewis Group store in Basingstoke. The site, Basing View, is a 65 acre business park in the heart of Basingstoke town. The developer of this store is Muse Developments Basingstoke.

Caunton worked for main contractor Bowmer and Kirkland, erecting 900 tonnes of steelwork. This multi-million pound development comprises of a 47,500sq.ft John Lewis at Home store as well as a 25,500sq.ft Waitrose food store and customer café. Caunton have also completed the supply of a steelwork for a similar store in Horsham, with developer Westrock and main contractor Simons Construction.



Main Contractor: Bowmer & Kirkland
Engineer: Cundall (London)
Architect: 3D Reid (London)
Tonnage: 900 tonnes



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Phase 2, Orchard Centre - Didcot

Caunton Engineering worked for main contractor Bowmer and Kirkland on Phase 2 expansion of the Orchard Centre in Didcot. This required 400 tonnes of steelwork - mostly beam and column framing which was designed by the Caunton technical team.

The Orchard Centre which opened in 2005, had already signed up for the 95,000sq.ft extension, which included major names such as M&S Food Hall, H&M, River Island, TK MaXX, Costa Coffee and Starbucks. The new shops, restaurants and cafes which opened in early 2018.

The local council reported that the major £50 million expansion of the Orchard Centre was a significant milestone for the growth of Didcot town centre and was part of wider plans to transform Didcot into a Garden Town and deliver 20,000 new jobs and 15,000 new homes over the next 20 years.

Caunton were pleased to have contributed to that objective.



Main Contractor: Bowmer & Kirkland
Architect: Chapman Taylor
Tonnage: 400 tonnes

North Lincolnshire Shopping Park - Scunthorpe



Client: Simons Group
Main Contractor: Simons Construction
Architect: Adept Civil and Structural
Tonnage: 600 tonnes

Caunton worked for Simons construction to supply 600 tonnes of structural steelwork for the 5 buildings. The steelwork was designed by Caunton's engineers.

There are 5 buildings in total, comprising 6 units. The retail park which brought Marks & Spencer back to Scunthorpe progressed successfully, with the Simons Group, the firm behind the £25 million project, leading the project. The 90,000sq.ft development also included Debenhams, Boots, Costa Coffee and Subway stores.

Caunton were delighted to be maintaining their excellent relationship with the Simons Group.

Other Retail Projects Include:

- Tesco - Portsmouth
- Tesco - Hedensford
- NLXB, Riverside & Bridge Street, Retail Development, Staffordew Project
- Waitrose / John Lewis Store - Horsham
- Bargod Plateau Site - WM Morrisons
- ASDA Store - Potterdyke, Newark
- Tottenham Hotspur's Major Ground Development



(Waitrose / John Lewis Store - Horsham)

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