



**caunton**  
ENGINEERING



Steelwork for

# Residential



Parkside Student  
Accommodation - Coventry

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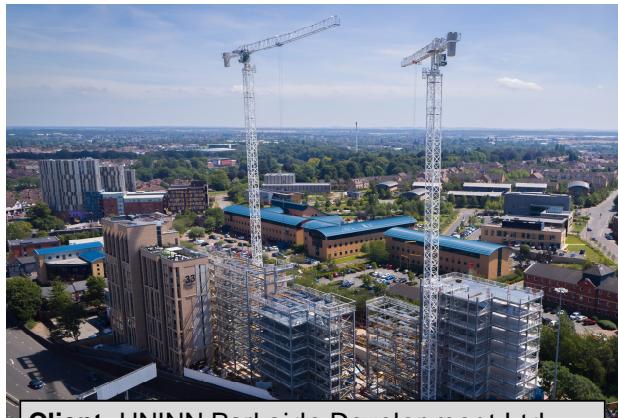
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**Caunton Engineering** is one of the UK's leading steelwork contractors, fabricating in excess of 40,000 tonnes per annum with a turnover in the region of £100m. Supported with over 50 years' experience we specialise in the design, fabrication and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

Caunton Engineering's reputation is for engineering excellence in the Residential 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.

## Parkside Student Accommodation - Coventry



**Client:** UNINN Parkside Development Ltd  
**Main Contractor:** Winvic Construction  
**Engineer:** WSP Group  
**Architect:** APT (London)  
**Tonnage:** 1,300 tonnes

Caunton supplied and erected the steelwork for 3 major towers in Coventry, as part of a major student accommodation scheme. The structural steelwork for the towers frame are 3 towers of 6 storeys, 13 storeys and 19 storeys.

Reaching a height of 72 metres, main contractor Winvic Construction supplied these 2 tower cranes that resides in Coventry's city centre skyline for the full project period.

## Student Accommodation, Allen House - Leicester

Caunton supplied the steelwork for new student accommodation, for the University of Leicester - Allen House. The steelwork, also designed by Caunton was for main contractor, North Midland Construction. North Midland's client is student accommodation company, Victoria Hall Management and the project was funded by the Black Rock UK Property Fund.

Caunton supplied 400 tonnes of steel framing for the two buildings - one 5 storey and one 7 storey. Steelwork framing is quick, flexible and reliable and should therefore be fast gaining market share of the residential market.



**Main Contractor:** North Midlands Construction  
**Engineer:** Collins Hall Green LLP  
**Architect:** Architects Le1  
**Tonnage:** 400 tonnes

## Paris Garden Student Accommodation



**Main Contractor:** McLaren Construction Ltd  
**Engineer:** Bridges Pound Ltd  
**Architect:** O'Connell East Architects  
**Tonnage:** 495 tonnes

Caunton supplied steelwork for the Number 6, Paris Garden, which is just south of the Thames in Southwark.

These 9 and 13 storey black required 495 tonnes of steelwork on a very tight city site. The building will house a ballet school as well as 162 student residences. The design of the steelwork and the connections is by Caunton on a design and build contract.

A good example of how the speed and flexibility of steel means that the urgent accommodation needs of our large number of students is being met efficiently and quickly.

# Student Accommodation, Fairfax Street - Coventry



Coventry City Council, main contractor Winvic Construction and luxury accommodation providers CODE Student Accommodation have officially marked the completion of the steel frame of the city's new tallest building.

During the celebration event, they handed over the first 315 bedrooms, gym, laundry and office facilities accommodated in one of the project's 4 blocks. The first delivered phase of the project comprised of one 14 storey block and since being completed there are four interlocked blocks of 17, 20 and 23 storeys, making it Coventry's tallest building with panoramic views across the city.

Each of the self contained student bedrooms contain a fully fitted kitchen, including fridge and freezer, microwave and integrated hob and oven and a deluxe designer show room; tenants will also feel safe in their new homes with the fob entrance system and the installation of CCTV.

**Main Contractor:** Winvic Construction  
**Engineer:** PRP Consulting  
**Architect:** RGOP Ltd  
**Tonnage:** 1,800 tonnes

Caunton Engineering has fabricated, supplied and erected 1,800 tonnes of steel for this project.

## Victoria Halls - Birmingham

Caunton were involved with the constructing of a 435 bed student accommodation project, consisting of a 4, 6 and 8 storey block. This caters for students of the nearby University of Birmingham and the renowned Queen Elizabeth Hospital Medical School, where student numbers are growing.

The building is structured around a steel frame with concrete in situ floor slabs and SFS external partitioning. The outside fabric is a combination of curtain walling, brick and cladding panels.

The growth in demand for student accommodation has been a real boon for the steelwork industry. Speed in particular means that the material is attractive to clients and the flexibility and reliability of the material and the steelwork industry too, has meant a growing share for steel in the residential market.



**Client:** Victoria Halls Ltd  
**Main Contractor:** Clegg Construction  
**Engineer:** Baily Johnson Hayes  
**Architect:** O'Connell East Architects  
**Tonnage:** 588 tonnes

## Student Accommodation - Sheffield



Caunton worked for Clegg Accommodation Solutions Ltd, supplying and erecting steelwork for a 760 bedroom student accommodation development in Sheffield.

This project requires 700 tonnes of structural steelwork - comprising of a steel podium over the basement car park, which in turn supports 5, steeping to 7 storeys of modular construction.

Steelwork is gaining an increasing market share in the residential market, as perceived historical problems associated with vibration and acoustic have been overcome. The speed and flexibility of steel means that students are in residence more quickly and with steel totally recyclable, it achieves future sustainability benefits.

Adding to this sustainability theme, the site is in fact a former industrial site. This area of Sheffield is called Kelham Island - so called as it is constrained on the northern boundary by the River Don.

**Client:** Clegg Accommodation Solutions Ltd  
**Main Contractor:** Clegg Construction  
**Engineer:** BWB Partnership  
**Architect:** Hadfield Cawkwell Davidson  
**Tonnage:** 700 tonnes

## Flats - Brook Street, Derby



**Main Contractor:** Thomas Fish & Sons  
**Engineer:** BWB Partnership  
**Architect:** Franklin Ellis  
**Tonnage:** 430 tonnes

Caunton Engineering supplied the steel for a major residential development in the heart of Derby. This project by Thomas Fish and Sons Ltd is a development of the former Thomas Bridgett Mills buildings in Brook Street and comprises of 4 storey apartment blocks.

Thomas Fish used the steelwork for the framing of the apartments as speed and flexibility was vital within the restricted city centre. Caunton employed the imaginative and up to date Slimfor construction method. This enables the steel frame to minimise floor depths and keep height to a minimum.

The project was a design and build contract by Caunton for the major East Midlands contractor, Thomas Fish; local companies worked together to build the new Derby.

## Retail and Residential Development - Brighton

Caunton supplied the structural steelwork for this office-cum-residential project on the South coast, in the city of Brighton. The site is sufficiently close to the sea, that there were fears that high winds could well have disrupted steelwork erection. A decision was made with contractor, Simon Construction to employ mobile craneage rather than the more traditional tower-crane method. This was to maintain progress more assuredly within this extremely congested and tight city centre site.

The residential block sites astride the retail development and employs a complex geometry in satisfying the concept of architect, the Apps Partnership. Steel's considerable flexibility fulfilled most brilliantly the demands of the design, which enjoys a curved profile in two dimensions.

The project comprises of 400 tonnes of structural steelwork and Caunton's contract also included the supply and installation of both composite metal decking and the pre-case concrete staircases.



**Client:** Simon Estates  
**Main Contractor:** Simons Construction  
**Engineer:** Gyouri Self Partnership  
**Architect:** The App Partnership  
**Tonnage:** 400 tonnes

## Residential Development - Hove



**Main Contractor:** Alfred McAlpine Homes  
**Engineer:** The Budgen Partnership  
**Architect:** The Edward Irish Partnership  
**Tonnage:** 1,000 tonnes

Caunton detailed, fabricated, delivered and erected 1,000 tonnes of steel for this multi-storey residential development in Hove, Brighton. In addition we organised the supply and installation of stainless steel lintel angles to the elevations to provide support to the external brickwork cladding.

Due to height restrictions, the floors were constructed of UC section beams, some even having shelf angles to keep floor depths to a minimum. Lateral stability of the structure was provided by in situ concrete stair cores. The structure was completed within the specified construction periods which were adjusted to the construction of the cores by the main contractor.