



## Mountpark Logistics, Bardon, Coalville

### Client

Mountpark Properties

### Contractor

Winvic Construction

### Architect

Michael Sparks Associates

### Steelwork Design

Caunton Engineering Ltd

### Engineer

BWB Consulting Ltd

### Steel Tonnage

3,000 tonnes

Distribution centres don't come much larger than the colossal shed framed with Caunton Engineering's structural steelwork for online retailer Amazon, at the Mountpark Bardon site near Coalville, Leicestershire. Known as unit one, and the first of three new centres to be built on the site, the structure measures 504m in length and has a width of 184m, offering just over one million square feet of floor space.

Working on a design and build contract, Caunton completed its erection programme in just nine weeks, despite some inclement weather during May and June. The structure is a large portal frame consisting of six spans. The two outer spans are 35m-wide, while the inner four spans measure 28.5m wide.

Perimeter columns are large 914 UB sections, set at 8.5m centres, internally the columns are all bespoke columns. Arranged in a hit-and-miss configuration throughout the structure, thereby creating more column-free space within the building, the columns measure 650mm deep × 400mm wide, with 25mm flanges.

**Caunton Engineering Ltd.**

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