



Land Rover, Body in White (T5) - Solihull

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Client

Land Rover

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Contractor

Anglo Holt Construction

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Steelwork Design

Caunton Engineering

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Engineer

Chmiel Overton

Partnership

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Steel Tonnage

3,000 tonnes

Caunton completed the manufacture and erection of 3,000 tonnes of steelwork for main contractor Anglo Holt Construction at the Land Rover Factory at Solihull. The project was a brownfield site extension of over half a million square feet to the BIW Facility.

The steelwork itself comprised of heavy latticed trusses spanning 18 metres supported by substantial steel columns. The design was carried out by the Caunton team as a design and build partnered contract, thus permitting the time and opportunity to make many improvements in final details to accelerate both the manufacture and the erection process. One of the more interesting and demanding features of the design requirements was that Land Rover required a comprehensive formula for loading and load point flexibility for the building. The entire roof was designed to carry point loads of up to 6 tonnes at 3 metres centre points along the bottom booms of all the trusses. This was in effect 16 times greater than the loading normally specified for a standard portal frame.

Delivery and flexibility was also necessary as Caunton worked on what was a live and busy vehicle projection site.

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