



Multi-Storey Car Park, Loughborough University

Client

Loughborough University

Main Contractor

Interserve Project Services

Structural Engineer

Nolan Associates

Architect

RPS Group

Steel

500 tonnes

Caunton have supplied the structural steelwork for a new three storey multi storey car park at Loughborough University. This is part of the University's East Park Campus development plan.

An assessment by the University had found that a number of buildings on this part of the campus are nearing the end of their useful life and are not fit to meet current academic requirements let alone to allow for limited growth. One feature of this redevelopment is a new multi storey car park designed to free up land and reduce areas devoted to surface lined car parks.

Caunton supplied main contractor Interserve with over 500te of steelwork for this new building. The steelwork was galvanised to maintain hard wearing, long service, and maintenance-lite qualities. The frame comprises universal column sections for both columns and beam with moment connections between the two, and splices at the beams' point of contra-flexure. This reduces floor depth to a minimum thereby limiting the height of the building.

Both the floors and staircases are in precast concrete and were fitted by Caunton's erectors. The floors are in fact composite, steel and concrete, with the shear studs welded off site at Caunton's workshops.