



Leicester Tigers Hotel

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Client

Marshall CDP

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Contractor

Marshall Construction

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Architect

BMS

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Engineer

Cundall

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Steel Tonnage

750 tonnes

Caunton Engineering supplied both the main and secondary steelwork, which included open mesh flooring to the Leicester Tigers Hotel.

The hotel, known as Hotel Brooklyn, was a six storey building with 191 rooms located on the upper four floors, while car park and retail units predominantly took up the ground floor level. Sandwiched in between, the first floor of the hotel boasted 3,300m² of reception, lounge and dining areas, as well as a business centre and lobby areas. This floor was directly connected to the Leicester Tigers rugby ground's stand via a 28 metre long curved pedestrian bridge. This was assembled onsite and then lifted into place as one 28 metre long curved structure. Although the bridge tied into both the new hotel and the existing grandstand, the bridge was an independent structure supported by four columns.

Caunton Engineering also fabricated, supplied and erected the steel for the construction of the grandstand in 2009. Mimicking the design of the grandstand, the front of the atrium, at the widest point between the two hotel wings, featured a large glazed façade. The glazing was supported by a series of 20 metres long by 1.5 metre horizontal curved trusses that span between the wings. With the glazing positioned externally to the trusses, these steelwork elements helped the façade resist wind loadings. Adding some drama to the design, as well as creating a visual highlight, they were left exposed within the completed project and were suspended from the roof via two CHS hangers.

