



Lakeside Centre - Rushden Lakes

Client

Crown Estate

Contractor

Winvic Construction

Engineer

BE Design

Steelwork Design

Caunton Engineering Ltd

Architect

HPW Architecture

Steel Tonnage

2,000 tonnes

Caunton Engineering was contracted for a design and build package for the terrace, boardwalk and restaurant steelwork, known as Rushden Lakes, the scheme is centred around a series of man-made and natural lakes in the Nene Valley. Located on the busy A45 and it has been estimated that 600,000 people live within a 30-minute drive.

The retail outlets are all accommodated within three large steel-framed structures, known as Terrace A, B and C. The latter two buildings house the project's three anchor tenants, House of Fraser (HoF) in C and Marks & Spencer, and Primark in B.

Terrace C is the longest of the retail buildings at 196m with the two-storey HoF store accounting for approximately one-third of the structure. This block is a portal-framed building with steel columns –

The independent structures were erected after the main steelwork and cladding was completed. Stubs attached to columns and protruding through the cladding accept the canopy structures, which are also supported by a series of columns.

The columns are predominantly 9m-high Circular Hollow Sections (CHS) where the buildings are two-storey high, and decreasing to 7m-high sections for the single storey elements.