bourne
SPECIAL PROJECTS

CENTRAL BUS STATION, HEATHROW AIRPORT

LONDON

We supplied and erected the structural steelwork for this new Central Bus Station, located in the heart of the world's busiest airport. The steel frame comprised a series of double cantilevered and portalised frames, located around the perimeter of an irregular shaped canopy footprint.

The frames typically consisted of tapered double cantilever cross head beams supported on hollow section columns. The outer edges of the cantilever cross beams were tied down to the ground using stainless steel tie-rods consisting of spade and fork end connectors.

This is the first structure that many people will see when entering the airport complex and therefore it was essential that great care was taken with the aesthetics of each joint when detailing the connections. Many were fully welded or concealed. This involved complex connections being developed in order to make them 'visible' whilst at the same time robust and practical.

To minimise site erection periods, we delivered the steel frame to the airport with as much of the frame pre-assembled as possible.

Market Sector:	Airports, Modular
Client:	Heathrow Airport
Engineer:	WSP
Main Contractor:	Mansell
Tonnage:	c65

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