



PROJECT

Haymarket Hub Development,
Newcastle Upon Tyne

CLIENT

Closegate Hotel Developments

ENGINEER

ARUP

MAIN CONTRACTOR

Tolent Construction Ltd

COMPLETED

November 2008

VALUE

£2.8 million

TONNAGE

850 tonnes

PROJECT DESCRIPTION

The project was designed to transform the Haymarket Metro Station, at the top of Northumberland Street. The existing Metro station was demolished and replaced with an architecturally stunning steel and glass dome. There was space for shops and offices on the ground floor concourse and the three floors above. Once complete, metro users would be able to shop, eat and drink at the station.

The project required erection of an architectural roof and building structure above the station, and, in order to support this a framework of large span trusses and support columns were needed. The trusses and roof geometry created an engineering challenge to develop workable and cost effective connection details.

The main support trusses and ties were erected during night-time station closures which allowed the construction of a crash deck to protect the general public from ongoing upper level works. The remaining steelwork was erected during normal daytime station operations working above a PCC crash deck.

ROLE

Cleveland Bridge was responsible for the connection design, fabrication, supply, erection and painting of the 850 tonnes of superstructure steelwork.