



Design & Display GRP Structures

case study: Campanile Tower, Barton Square



A towering success for Design & Display Structures

The crowning glory to the Barton Square Development in Manchester has been craned into place by UK experts in GRP, Design & Display Structures. The award winning Campanile was completed for October's official topping out ceremony for the multi-million pound retail project due to open in 2008.

Brief

Design & Display Structures was tasked with producing bespoke, stone appearance cladding for the belfry and a striking lead coloured finial feature. It also had to be easily manoeuvrable by crane, allowing the belfry to be dropped into place atop the 67m high development (a £70 million extension of the £1.6 billion Trafford Centre).

Solution

Under a six month £250,000 contract with main contractor Bovis Lend Lease, Design & Display Structures crafted the breathtaking cladding for the 14m tall belfry. Design & Display Structures also installed fibre optic lights throughout the finial and LEDs in the pediments for night time illumination. In addition they designed an innovative maintenance solution for changing the long life bulb in the hard-to-reach aircraft warning beacon.

Benefits

Working in partnership with steel frame creator William Hare, the masterpiece of GRP design was built at ground level so there was no need for high level scaffolding. This brought significant time and cost savings for the client. Design & Display's work also offered significant environmental benefits for the client, as the lightweight finished product is easily handled, requires minimal mechanical lifting and delivery payloads are reduced. This cuts the carbon costs of delivery, making GRP a very sustainable solution over heavier, more cumbersome construction alternatives. The Campanile, built using innovative modular off site production techniques, has since scooped Bovis' Project Innovation Award 2007. Design & Display Structures offers a one stop shop for GRP design, manufacture and installation and will be completing £1 million worth of projects at Barton Square.

Client:

Bovis Lend Lease

Architects:

Leach Rhodes Walker

Project

Campanile, Barton Square

Products:

Bespoke stone finish cladding for the Campanile and a striking lead coloured finial feature

Project Duration:

6 months

"The finished Campanile is truly stunning and the tower provides a real focal point for the Barton Square Development. We are thrilled to have been able to help the vision of architect Leach Rhodes Walker come to life."

Managing Director Allan Curtis