



V & A EAST MUSEUM EASTBANK, QUEEN ELIZABETH OLYMPIC PARK, LONDON

V & A East Museum, located at Stratford Waterfront, will display its world-famous collection at this unique and iconic geometrical structure.

7 complex steel based-nodes, weighing up to 14 tonnes each and 7 metres in height have been erected to support the unique exterior cladding. The scope of the Bourne Steel work included an extremely complex structural steel frame and secondary steelwork supporting a multi-faceted façade, 'star' shaped welded nodes, onsite welded column splices at node level (for blast design), elaborate façade bracketry on the tubular columns, in addition to vertical and horizontal trusses between level one and two, 14 metres in length, weighing up to 8 tonnes.

The high-spec design also included intumescent fire protection and decorative finishes, precast floor slabs, bespoke precast biscuit slabs with structural toppings, holo-rib metal decking and four very complex stair structures from ground to level five, shaped to match the geometric structure. The 7,000 square metre V&A East Museum tops out at 42.5 metres high. The frame is over 1,600 tonnes and comprises of 2,051 pieces which required immense expertise from all the engineers and construction teams involved. The museum will be completed in 2025.

Market Sector: Museum
Client: London Legacy Development Corporation
Engineer: AKT II
Main Contractor: MACE

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