



## QUEEN ELIZABETH UNIVERSITY HOSPITAL

Govan, Glasgow



- 2,000 t of fabricated and erected steelwork
- 158 t helipad 13-storeys high
- 200 t link bridges + 40 pod modules fabricated, clad and transported to site

J&D Pierce were awarded the contract for the new Queen Elizabeth University Hospital in Glasgow, comprising **roof steelwork**, forty prefabricated **modules** and the erection of two **link bridges**

### Steelwork

Both the upper floors and helipad consist of J&D Pierce steelwork which both sit atop the main concrete frame. The hospital, which sits at 13-storeys high, posed many logistical challenges. These issues were dealt with by firstly ensuring safe access for our erectors, with a system of spreading and back-propping. This allowed our tower cranes to begin lifting steel from ground level, simultaneously managing congestion on the limited access roads. Temporary design was carried out in-house to ensure the structure could carry the loads

### Modules

40 multi-coloured modules were prefabricated at our Glengarnock facilities, including cladding, floor decking, glazing and concealed lifting hooks. The pod modules were then delivered to site, lifted, and fitted onto a previously erected 12-storey high atrium bridge spanning 30m. This was done using a bespoke lifting frame for the project, with prefabrication eliminating the need for additional work on-site.

### Link Bridges

J&D Pierce erected two link bridges between the old and new hospitals. Using our in-house facilities to pre-fabricate and clad the bridges, this demanding transport job saw both link bridges measuring 26m long and 8m high each.

Ultimate Client:

NHS Greater Glasgow and Clyde

Main Contractor:

Brookfield Multiplex

Structural Engineer:

WSP Group

Architect:

Nightingale Associates