

Main Contractor

Interserve Plc Leicester Royal Infirmary

Project Type New Emergency Department

Location Leicestershire

Steel Tonnage 550 tonnes

Works Carried Out Structural steelwork, Metal decking, Pre-cast Concrete flooring, Stairs, Lift shaft and Culverts.


Fabrication and erection of 550 tonnes of structural steelwork including a 15T truss. Installation of 300mm deep precast concrete flooring, Waycon lift shaft, culverts and a 20 ton Waycon stair core.

The project required the structural steelwork and associated sub-trades to be completed within a 12 week programme, whilst ensuring that the "A&E" department was able to function as normal.

Robinson took on the responsibility of the lifting and placing of the precast wall and culvert units prior to the steel erection commencing. The structure was on a split level with the main structure being a 2 story column and beam structure with the high level being a single story. The new structure had a close interface with the existing buildings around the perimeter. Access to the footprint of the building was severely restricted due to underground tunnels and services servicing the operational hospital.

Robinson and Interserve coordinated a build sequence to allow safe erection of the frame and concrete units without accessing those high risk areas. The erection was carried out utilising 55 Tonne cranes for steel and precast erection with a 200T crane used for erection of the lift shaft and stair core units. The programme was attained by the use in part of 2 erection crews. Logistics were challenging as one site entrance was on the emergency route, so prior permission for access had to be sought from the LRI emergency department on each occasion.

The external façade consists of concrete curtain walling which was supported by bespoke steel bracketry also designed, manufactured and installed by Robinson.

Robinson assisted with the early stage buildability studies and a sequence of erection was developed with Interserve to ensure safety and remain within budget.

"The collaboration between Interserve and Robinson in the design and early planning stages was crucial to the successful delivery of this complex project"

Roger Bancroft - Interserve plc