



Anfield Stadium Extension (Liverpool FC)

J&D Pierce (Contracts) Ltd were awarded the contract for the fabrication and installation of structural steel for the new Anfield Road Stand. Anfield being one of the largest stadiums in the Premier League and with this new 7,000 seat expansion, complying with stadium design, safety and comfort standards the total seating capacity will raise to over 61,000.

Location
Liverpool

Tonnage
3800T

This new stand was a structurally complex design requiring complex multi member joint nodes especially to the roof trusses. The main spin truss which was the largest and weighed in excess of 300t was manufactured in erectable module sections and escort transported to site and erected in one lift into place.

This site was logistically challenging due to having just 11m laydown area behind the new stand and no access to the front and on match days the existing stand was being utilised. The client required the new structure to be built over the existing stand, which was scheduled to be demolished after the new stand was completed.

All scheduled lifts for the complete modular truss structures were co-ordinated "in just in time" deliveries, these were then installed having been fully co-ordinated and safely planned and approved lifting sequences been implemented, utilising 2 number 600t mobile crawler cranes and in particular carrying out tandem lifts especially for the 300t main truss. All these works were carried out within safely cordoned isolated working areas to suit the site programme for these works.

Within J&D Pierce's scope of works was the installation of free issue Precast Concrete terrace units including the stairs and the supply & fix of the metal floor decking to the rear of the stand, which were all coordinated in conjunction with these supplier's deliveries and ultimately incorporated to suit our site programme.

J&D Pierce (Contracts) Ltd worked closely throughout their contract with the main contractor and design team to deliver this unique project and were delighted to have been appointed to deliver the structural steel frames with Buckingham Group Contracting and the associated design team.



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