

PROJECT FILE:
The Manchester United Football Club
“Quadrant Development” Roof Access Platform



The development of MUFC involved the construction of two new cantilever roof structures above the new Quadrant seating.

Due to the design of the new roof access was required below roof level in order to install the steel purling's and roofing sheets.

Scaffolding from the lower level up was not an option as a temporary roof structure was in place below.

A smaller “Corner Platform” was assembled in the adjacent car park and craned into place to enable the “sump” to be constructed. (lower photo)



The sump platform was followed by two larger main platforms these also assembled in the car park and craned into place beneath the semi constructed roof. (top photo)

The total mobile working area provided was approximately 300sq meter per quadrant.

The platforms are removed by de-constructing while suspended and removing the components piece-meal. The ASF platform is constructed from structural alloy cords – high strength nodes – pins and clips; the constructed space frame is then equipped with decking, guard-rails and suspension eye bolts. Each platform was relocated under the roof by lowering the platform as far as practical using the on-board hoists, suspending the platform on the 4 back up devises, re-rigging the hoist ropes in the next location and raising the platform up into the new location, each relocation taking a few hours only.



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